

PUBLICATION NUMBER : 02092275  
PUBLICATION DATE : 03-04-90

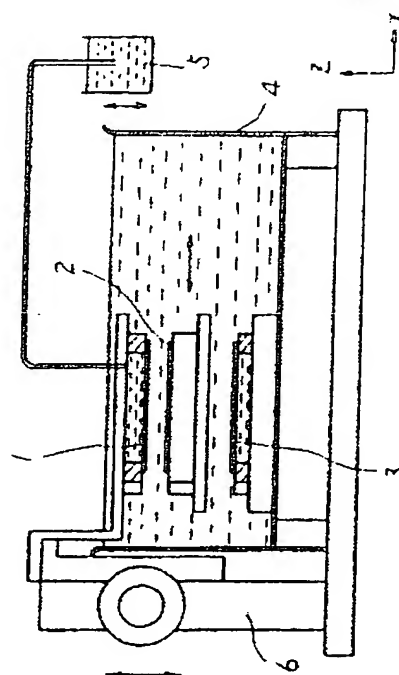
APPLICATION DATE : 30-09-88  
APPLICATION NUMBER : 63244155

APPLICANT : HITACHI LTD;

INVENTOR : ONO MASATOSHI;

INT.CL. : C12N 5/00

TITLE : FORMATION OF CELL PAIR AND  
DEVICE THEREFOR



ABSTRACT : PURPOSE: To maintain activity of cells and to carry out cell fusion of different cells by adsorbing a pair of different kinds of cells fed to adjacent channels on a common plate having hole and relatively transferring the plate to release the pair of cells.

CONSTITUTION: Cells are sucked by negative pressure in a liquid and fixed to a carrier plate 1. Negative pressure can be generated by adjusting height of a water head controlling container 5. After the cells are adsorbed, the carrier plate 1 is transferred upward by a stage Z 6 and separated from a channel plate 2. Further the channel plate 2 is transferred in the crosswise direction by a direction X stage, the carrier plate is transferred in the downward direction and brought into contact with a microchamber plate 3. Positive pressure is caused by operating the water head controlling container 5, the cells are released and the cells can be packed into the aimed microchamber.

COPYRIGHT: (C)1990,JPO&Japio